

**Diploma in Agricultural Technology K - Scheme**  
(with effect from 2008-2009)

**List of Equivalent Subjects of J-Scheme**

**III SEMESTER**

**J - SCHEME**

**K-SCHEME**

Sl. No	Subject Code	Name of Subject	Subject code	Name of Subject
1.	3.1	Mechanics of Materials	12031	Mechanics of Materials *
2.	3.2	Principles of Crop Production	12332	Principles of Crop Production
3.	3.3	Surveying and Levelling	12333	Surveying and Levelling
4.	3.4	Machine Drawing	12034	Machine Drawing & Auto CAD *
5.	3.5	Mechanics of Materials Lab.	12035	Mechanics of Materials & Fluid Mechanics Lab. *
6.	3.6	Surveying and Levelling Lab.	12336	Surveying and Levelling Lab.

(\* Common with Mechanical Engineering)

**IV SEMESTER**

**J - SCHEME**

**K-SCHEME**

Sl. No	Subject Code	Name of Subject	Subject code	Name of Subject
1.	4.1	Fluid Mechanics and Agricultural Pumps	12341	Fluid Mechanics and Agricultural Pumps
2.	4.2	Soil and Water Conservation Engg.	12342	Soil and Water Conservation Engg.
3.	4.3	Electrical and Electronics Engg.	12043	Electrical and Electronics Engg. *
4.	4.4	Fluid Mechanics and Agricultural Pumps Lab.	12035	Mechanics of Materials & Fluid Mechanics Lab. *
5.	4.5	Electrical and Electronics Engg. Lab.	12045	Electrical and Electronics Engg. Lab. *
6.	4.6	Autocad Lab.	12034	Machine Drawing & Auto CAD *

(\* Common with Mechanical Engineering)

**V SEMESTER**

**J - SCHEME**

**K-SCHEME**

Sl. No	Subject Code	Name of Subject	Subject code	Name of Subject
1.	5.1	Tractor and its power units	12351	Tractor and its power units
2.	5.2	Cad/cam	12062	Computer Aided Design and Manufacturing *
3.	5.3	Elective theory – I	--	Refer Table 1
4.	5.4	Tractor and its Power Units Lab.	12354	Tractor and its Power Units Lab.
5.	5.5	Computer Aided Design and Manufacturing Practical	12064	Computer Aided Design and Manufacturing Practical *
6.	5.6	Workshop I (Foundry, welding and smithy)	12036	Workshop I (Smithy, Foundry and Welding) *

(\* Common with Mechanical Engineering)

**TABLE - 1**

Sl. No	Subject Code	Name of Subject	Subject code	Name of Subject
	<b>5.3</b>	<b>Elective theory – I</b>		<b>Elective theory - I</b>
1.		1. Irrigation Engineering	12372	Irrigation Engineering
2.		2. Agriculture Extension and Transfer of Technology		No Equivalent
3.		3. Manufacturing Technology	12371	Manufacturing Technology

**VI SEMESTER**

**J - SCHEME**

**K-SCHEME**

Sl. No	Subject Code	Name of Subject	Subject code	Name of Subject
1.	6.1	Farm Machinery	12361	Farm Machinery
2.	6.2	Post Harvest Technology	12381	Food Processing Engineering and Post Harvest Technology
3.	6.3	Elective Theory II	--	Refer Table 2
4.	6.4	Farm Machinery Lab.	12364	Farm Machinery Lab.
5.	6.5	Workshop II (Lathe and Metrology)	12046	Workshop II (Turning, Drilling and Shaping) *
6.	6.6	Project work and Entrepreneurship	12366	Project work and Entrepreneurship Environmental & Disaster Management

(\* Common with Mechanical Engineering)

**TABLE - 2**

Sl. No	Subject Code	Name of Subject	Subject code	Name of Subject
	<b>6.3</b>	<b>Elective Theory II</b>		<b>Elective Theory II</b>
1.		1. Food Processing Engineering	12381	Food Processing Engineering and Post Harvest Technology
2.		2. Non Conventional Energy Sources	12382	Non Conventional Energy Sources
3.		3. Dairy Engineering		No Equivalent paper

**Diploma in Agricultural Technology L-Scheme**  
**(with effect from 2011)**

**List of Alternative Subjects of K-Scheme to L Scheme**

**III Semester**

<b>K-SCHEME</b>			<b>L-SCHEME</b>	
Sl.No.	Subject code	Name of the Subject	Subject code	Name of Subject
1.	12031	Mechanics of Materials	22031	Strength of Materials
2.	12332	Principles of Crop Production	22332	Principles of Crop Production
3.	12333	Surveying and Levelling	22333	Surveying and Levelling
4.	12034	Machine Drawing & Auto CAD	22044	Computer Aided Machine Drawing Practical
5.	12335	Principles of Crop Production Lab	22335	Principles of Crop Production Practical
6.	12336	Surveying and Levelling lab	22336	Surveying and Levelling Practical

**IV Semester**

<b>K-SCHEME</b>			<b>L-SCHEME</b>	
Sl.No.	Subject code	Name of the Subject	Subject code	Name of Subject
1.	12341	Fluid Mechanics & Agricultural Pumps	22341	Fluid Mechanics & Agricultural Pumps
2.	12342	Soil & Water Conservation Engineering	22342	Soil & Water Conservation Engineering
3.	12043	Electrical & Electronics Engineering	22043	Electrical Drives & Control
4.	12035	Mechanics of Materials & Fluid Mechanics Lab	22346	Mechanical Testing & Fluid Power Practical
5.	12045	Electrical & Electronics Engineering Lab	22047	Electrical Drives & Control Practical
6.	11011	English Communication Practical	20002	Communication & Life Skills Practical

## V Semester

K-SCHEME			L-SCHEME	
Sl.No.	Subject code	Name of the Subject	Subject code	Name of Subject
1.	12351	Tractor and its Power Units	22351	Tractor and its Power Units
2.	12062	Computer Aided Design and Manufacturing	22062	Computer Integrated Manufacturing
3.	<b>Elective Theory-I</b>		<b>Elective Theory-I</b>	
	12371	(i) Manufacturing Technology	22372	Manufacturing Technology
	12372	(ii) Irrigation Engineering		No Equivalent
4.	12354	Tractor and its Power Units Lab	22355	Tractor and its Power Units Practical
5.	12064	Computer Aided Design and Manufacturing Practical	22064	Computer Integrated Manufacturing Practical
6.	12036	Workshop-I (Smithy, Foundry & Welding)	22045	Manufacturing Technology – I Practical

## VI Semester

K-SCHEME			L-SCHEME	
Sl.No.	Subject code	Name of the Subject	Subject code	Name of Subject
1.	12361	Farm Machinery	22352	Farm Machinery
2.	12061	Industrial Engineering & Management	22061	Industrial Engineering & Management
3.	<b>Elective Theory- II</b>		<b>Elective Theory- II</b>	
	12381	(i) Food Processing Engineering & Post Harvest Technology	22373	Food Process Engineering
	12382	(ii) Non-conventional Energy Sources	22033	Renewable Energy Sources
4.	12364	Farm Machinery Lab.	22366	Farm Machinery Practical
5.	12046	Workshop – II (Turning, Drilling & Shaping)		No Equivalent
6.	12366	Project Work, Entrepreneurship, Environment and Disaster Management	22367	Project Work

**Diploma in Agricultural Technology M Scheme**  
(With effect from 2015-2016)

**List of Equivalent Subjects of L-Scheme to M Scheme**

**III SEMESTER - [W.E.F. OCT '16] L - SCHEME M-SCHEME**

Sl. No	Subjects Code	Name of Subject	Subject code	Name of Subject
1	22031	Strength of Materials *	32031	Strength of Materials*
2	22332	Principles of Crop Production	32332	Principles of Crop Production
3	22333	Surveying and Levelling	32334	Surveying and Levelling
4	22034	Machine Drawing *	32033	Machine Drawing *
5	22335	Principles of Crop Production Practical	32335	Principles of Crop Production Practical
6	22336	Surveying and Levelling Practical	32336	Surveying and Levelling Practical
7	20001	Computer Application Practical **	30001	Computer Applications Practical**

**IV SEMESTER - [W.E.F APR '17] L – SCHEME M-SCHEME**

Sl. No	Subjects Code	Name of Subject	Subject code	Name of Subject
1	22341	Fluid mechanics & Agricultural Pumps	32341	Fluid mechanics
2	22342	SOIL & WATER CONSERVATION ENGINEERING	32342	Soil & Water Conservation Engineering
3	22043	Electrical Drives & Control *	32044	Electrical Drives & Control *
4	22044	Computer Aided Machine Drawing Practical*	32034	Computer Aided Drawing Practical
5	22045	Manufacturing Technology-I Practical*	32356	Machine shop-I (Lathe and Welding Practical)
6	22346	Mechanical Testing & Fluid Power Practical	32345	Mechanical Testing & Fluid Power Practical
7	22047	Electrical Drives & Control Practical	32047	Electrical Drives & Control Practical*

**V SEMESTER - [W.E.F OCT '17] L - SCHEME****M-SCHEME**

Sl. No	Subjects Code	Name of Subject	Subject code	Name of Subject
1	22351	Tractor & Its Power Units	32351	Tractor and Its Power Units
2	22352	Farm Machinery	32352	Farm Machinery
<b>Elective Theory:</b>				
3	22371	Micro Irrigation	32343	Irrigation Engineering
	22372	Manufacturing Technology	32383	Manufacturing Engineering
	22373	Food Process Engineering	32372	Food Process Engineering
4	22354	SUGARCANE CROP PRODUCTION	32381	SUGARCANE CROP PRODUCTION
5	22355	Tractor and Its Power Units Practical	32354	Tractor and Its Power Units Practical
6	22056	Manufacturing Technology-II Practical*	32366	Machine shop – II Practical (Milling & Grinding)
7	30002	Life and Employability Skill Practical **	30002	Life and Employability Skill Practical **

**VI SEMESTER - [W.E.F APR ' 18] L - SCHEME****M-SCHEME**

Sl.No	Subjects Code	Name of Subject	Subject code	Name of Subject
1	22061	Industrial Engineering & Management*	32061	Industrial Engineering & Management*
2	22062	Computer Integrated Manufacturing *	32062	Computer Aided Design and Manufacturing *
<b>Elective Theory:</b>				
3	22381	Sugarcane Harvester operations & Maintenance	32382	Dairy Engineering
	22382	Post Harvest Technology	32371	Post Harvest Technology
	22033	Renewable sources*	32073	Renewable Energy Sources and Energy Conservation*
4	22064	Computer Integrated Manufacturing Practical *	32064	Computer Aided Design and Manufacturing Practical*
5	22065	Process Automation Practical*	32055	Process Automation Practical*
6	22366	Farm Machinery Practical	32365	Farm Machinery Practical
7	22367	Project Work**	32367	Project Work**